

09/701947

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PCT/US

Docket No. 235.0001 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Elliot Altman

Serial No.: U.S. National Stage Application filing of PCT/US99/23731

Title: STABILIZED BIOACTIVE PEPTIDES AND METHOD OF IDENTIFICATION, SYNTHESIS AND USE

INFORMATION DISCLOSURE STATEMENT

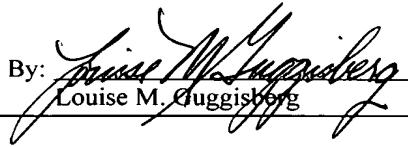
Commissioner for Patents  
Washington D.C. 20231

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application, including a copy of the PCT Search Report and references cited thereon. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

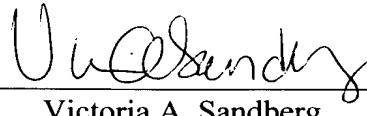
CERTIFICATE UNDER 37 C.F.R. 1.10

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Attn: Box PCT, Washington, D.C. 20231.

By:   
Louise M. Guggisberg

December 5 2000

Respectfully submitted,  
Elliot Altman  
By his Representatives,  
Mueting, Raasch & Gebhardt, P.A.  
P.O. Box 581415  
Minneapolis, MN 55458-1415  
Phone: (612)305-1220  
Facsimile: (612)305-1228

By:   
Victoria A. Sandberg  
Reg. No. 41,287  
Direct Dial (612)305-1226

<b>INFORMATION DISCLOSURE STATEMENT</b>	<b>Atty. Docket No.:</b> 235.0001 0101	<b>Serial No.:</b> Not Assigned
	<b>09/701947</b>	
	<b>Applicant(s):</b> Altman	
	<b>Filing Date:</b> herewith	<b>Group:</b> unknown

**U.S. PATENT DOCUMENTS**

<b>Examiner Initial</b>		<b>Document Number</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>SubClass</b>	<b>Filing Date If Appropriate</b>
		5,589,364	12/31/96	Williams et al.			
		5,654,451	08/05/97	Kari			
		5,792,831	08/11/98	Maloy			

**FOREIGN PATENT DOCUMENTS**

		<b>Document Number</b>	<b>Date</b>	<b>Country</b>	<b>Class</b>	<b>SubClass</b>	<b>Translation</b>	
							<b>Yes</b>	<b>No</b>
		WO 90/07862	07/26/90	PCT				
		WO 92/07071	04/30/92	PCT				
		WO 93/03156	02/18/93	PCT				
		WO 96/40721	12/19/96	PCT				
		WO 97/04110	02/06/97	PCT				
		WO 99/35494	07/15/99	PCT				
		WO 99/36554	07/22/99	PCT				
		WO 99/53079	10/21/99	PCT				

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

		Agerberth et al., "Amino Acid Sequence of PR-39. Isolation from Pig Intestine of a New Member of the Family of Proline-arginine-rich Antibacterial Peptides," <i>Eur J Biochem.</i> , 202(3):849-854 (1991).
		Banner et al., "Structure of the ColeE1 Rop Protein at 1.7 Å Resolution," <i>J. Mol. Biol.</i> , 196:657-675 (1987).
		Betz et al., "De Novo Design of Native Proteins: Characterization of Proteins Intended to Fold into Antiparallel, Rop-like, Four-Helix Bundles," <i>Biochemistry</i> , 36:2450-2458 (1997).
		Cunningham et al., "Proline Specific Peptidases," <i>Biochi. Biophys. Acta</i> , 1343:160-186 (1997).
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		Giza et al., "A Self-inducing Runaway-replication Plasmid Expression System Utilizing the Rop Protein," <i>Gene</i> , 78(1):73-84 (1989).
		National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus ECOLAC 7477 pb ds-DNA, Accession No. J01636, " <i>E. coli</i> Lactose Operon with lacI, lacZ, lacY and lacA Genes," [online]. Bethesda, MD (Sept. 15, 1989).<URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=146575&amp;dopt=GenBank">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=146575&amp;dopt=GenBank</a> , (13 pgs.).

<b>INFORMATION DISCLOSURE STATEMENT</b>	<b>Atty. Docket No.:</b> 235.0001 0101	<b>Serial No.:</b> not assigned
	<b>09/701947</b>	
	<b>Applicant(s):</b> Altman	
	<b>Filing Date:</b> herewith	<b>Group:</b> unknown

		National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus SYNPBR322 4361 bp DNA circular SYN, Accession No. J01749, "Plasmid pBR322, Complete Genome," [online]. Bethesda, MD (May 20, 1991). <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=208958&amp;dopt=GenBank">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=208958&amp;dopt=GenBank</a> , (13 pgs.).
		National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus SYNPUC8CV 2665 bp DNA circular SYN, Accession No. L09132, "pUC8c Cloning Vector (beta-galactosidase mRNA on Complementary Strand)," [online]. Bethesda, MD (March 4, 1993). <URL: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=146575&amp;dopt=GenBank">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=146575&amp;dopt=GenBank</a> , (18 pgs.).
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		Plow et al., "Inhibition of Fibrinogen Binding to Human Platelets by the Tetrapeptide Glycyl-L-prolyl-L-arginyl-L-proline," <u>Proc. Natl. Acad. Sci. USA</u> , 79:3711-3715 (1982).
		Soberon et al., "Construction and Characterization of New Cloning Vehicles. IV. Deletion Derivatives of pBR322 and pBR325," <u>Gene</u> , 9(3-4):287-305 (1980).
		Steif et al., "Subunit Interactions Provide a Significant Contribution to the Stability of the Dimeric Four- $\alpha$ -Helical-Bundle Protein ROP," <u>Biochemistry</u> , 32(15):3867-3875 (1993).
		Vanhoof et al., "Proline Motifs in Peptides and Their Biological Processing," <u>FASEB J.</u> , 9:736-744 (1995).
		Walter et al., "Proline Specific Endo- and Exopeptidases," <u>Mol. Cell. Bioch.</u> , 30(2):111-127 (1980).
		Yansura et al., "Use of the <i>Escherichia coli lac</i> Repressor and Operator to Control Gene Expression in <i>Bacillus subtilis</i> ," <u>Proc. Natl. Acad. Sci. USA</u> , 81:439-443 (1984).
		Yaron et al., "Proline-Dependent Structural and Biological Properties of Peptides and Proteins," <u>Crit. Rev. Biochem. Mol. Biol.</u> , 28(1):31-81 (1993).

<b>EXAMINER</b>	<b>Date Considered</b>
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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.